

Sussex County



SUSSEX

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Barrier Chemical Industries

Route 515 (Prices Switch Road)

Vernon Township

Sussex County

BLOCK: 41 LOT: 6

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Chemical Manufacturing
OPERATION STATUS: Inactive

PROPERTY SIZE: 2 Acres

SURROUNDING LAND USE: Agricultural/Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Base Neutral Extractable Compounds

STATUS

Levels Not of Concern

Soil

Volatile Organic Compounds
Semi-Volatile Organic Compounds
Polychlorinated Biphenyls (PCBs)

Removed

FUNDING SOURCES

1986 Bond Fund
Corporate Business Tax






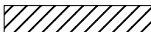


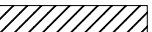







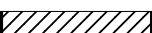

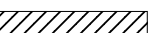

AMOUNT AUTHORIZED

\$250,000
\$436,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Barrier Chemical Industries manufactured degreasers, sewer cleaners, soaps, disinfectants, insecticides and floor waxes at this site between 1961 and 1975. The facility subsequently served as a warehouse for chemicals used in the company's manufacturing processes at another location. The company reportedly dumped chemical wastes directly onto the ground for several years while the plant was in operation. Sampling of nearby potable wells conducted in 1986 did not show significant levels of contamination. Operations at the facility ceased in 1990, which triggered the New Jersey's Environmental Cleanup Responsibility Act (ECRA, now known as the Industrial Site Recovery Act, or ISRA). Under ECRA, NJDEP approved Barrier Chemical's plan to conduct ground water and soil sampling; however, Barrier Chemical filed for bankruptcy in 1992 and the plan was not implemented.

Between 1995 and 1998, NJDEP excavated and disposed of three underground fuel storage tanks and conducted a Remedial Investigation (RI) to determine the nature and extent of contamination in the soil and ground water at the site. The RI revealed that the extent of the soil contamination was limited to a small area near the railroad tracks that abut the property, and the concentrations of contaminants in the ground water were below levels of concern. In 1999, NJDEP excavated and disposed of 150 cubic yards of soil from the railroad track area and backfilled the excavation with clean soil, demolished and removed the building and its contents, backfilled the sump pits with clean materials and closed the remaining underground storage tanks. No further remedial actions are planned for this site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Drum Removal					 Planned
Fencing					 Underway
Tank Removal					 Completed
Sitewide					 Not Required

Cranberry Lake Ground Water Contamination

Lakeview Trail & Hillcrest Trail Area Byram Township Sussex County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Treating

FUNDING SOURCES

Spill Fund

Corporate Business Tax






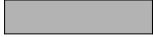






AMOUNT AUTHORIZED

\$32,000

\$25,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Cranberry Lake is a recreational lake surrounded by a densely populated community where many of the residents rely on private wells for their potable water supplies. In 1990, low levels of chlorinated volatile organic compounds were discovered in several private wells located at residences on the northern end of the lake. NJDEP subsequently installed Point-of-Entry Treatment (POET) water filtration systems on the two contaminated wells that exceeded New Jersey Drinking Water Standards. In late 1997, a residential well was determined to be contaminated with methyl tertiary-butyl ether (MTBE), a volatile organic compound that is used as a gasoline additive. In 1998 and early 1999, the Sussex County Health Department and NJDEP sampled approximately 50 private potable wells in the area and determined that eight additional wells were contaminated with MTBE above Drinking Water Standards. The source of the contamination is unknown. NJDEP has installed POETS on the contaminated wells to provide potable water for the residents and is monitoring and maintaining the units to ensure that they continue to operate effectively. NJDEP plans to continue to monitoring private potable wells in the area to evaluate drinking water quality.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

GESG Reclamation Materials Inc.

41 Lenape Road

Andover Borough

Sussex County

BLOCK: 24 **LOT:** 36.03

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Waste Processing
OPERATION STATUS: Inactive

PROPERTY SIZE: 8 Acres

SURROUNDING LAND USE: Commercial/Residential/Industrial

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Metals

Investigating

Soil

Polychlorinated Biphenyls (PCBs)
Polycyclic Aromatic Hydrocarbons (PAHs)
Petroleum Hydrocarbons
Metals

Removing

Sediments

Polychlorinated Biphenyls (PCBs)
Polycyclic Aromatic Hydrocarbons (PAHs)
Petroleum Hydrocarbons
Metals

Investigating

FUNDING SOURCES

AMOUNT AUTHORIZED

1986 Bond Fund
Corporate Business Tax

















\$1,129,000
608,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

GESG Reclamation Materials Inc. blended contaminated construction debris with sand and gravel to generate fill material for use at other locations. The site is near a public supply well operated by the Borough of Andover that is the sole source of drinking water for approximately 800 residents; however, testing of the supply well has shown that the water meets New Jersey Drinking Water Standards. A small area of wetlands is present at the site. A preliminary investigation conducted by NJDEP in 1992 indicated that the soil at the GESG site was contaminated. In 1993, NJDEP directed the Potentially Responsible Party for the site to determine the extent of the contamination and conduct the necessary remedial actions but the Potentially Responsible Party did not comply.

Between 1995 to 1996, NJDEP confirmed the presence of PCBs in the soil and waste materials at the site and began a Remedial Investigation (RI) to determine the extent of contamination in the soil, and evaluate the possibility of contamination in ground water and sediments. Based on the preliminary findings of the RI, NJDEP excavated and disposed of 1,800 tons of contaminated soil from the site in 1997. However, post-excavation sampling conducted upon completion of the removal action indicated that significant contamination remained in the subsurface soil. In late 1999, NJDEP began excavating the remaining contaminated soil and disposing of it at an off-site location. Approximately 3,200 tons of contaminated soil will be excavated and disposed of when the second soil remediation project is completed in early 2000. NJDEP will restore a small wetlands and adjoining buffer areas at the site that were destroyed during the soil removal project.

Investigation of ground water is underway and expected to be completed once all of the contaminated soil has been removed. The initial results of the RI indicate that the wetland sediments are not contaminated. Several other locations in Sussex County which are suspected of having received contaminated fill from GESG are also undergoing investigations by NJDEP.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Soil Removal					 Planned
Ground Water Investigation					 Underway
Sitewide					 Completed
					 Not Required

Hemlock Avenue Landfill

Hemlock Avenue

Andover Township

Sussex County

BLOCK: 60 **LOT:** 4.06

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Illegal Disposal Site
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 130 Acres

SURROUNDING LAND USE: Forest

MEDIA AFFECTED

CONTAMINANTS

STATUS

Soil

Polychlorinated Biphenyls (PCBs)
Semi-Volatile Organic Compounds
Metals
Petroleum Hydrocarbons

Delineating

FUNDING SOURCES

1986 Bond Fund

AMOUNT AUTHORIZED

\$189,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Contaminated fill derived from operations at the nearby GESG Reclamation Materials, Inc. facility was deposited on this property in 1992. Sampling conducted by NJDEP in 1993 and 1995 indicated that the soil at the site was contaminated with polychlorinated biphenyls (PCBs), semi-volatile organic compounds, petroleum hydrocarbons and metals. Approximately five acres of the 130-acre property are believed to have been impacted by contaminated materials. NJDEP directed the Potentially Responsible Parties for the site to delineate the contamination and conduct the necessary remedial activities but they did not comply. In 1996, NJDEP began a Remedial Investigation and Remedial Action Selection (RI/RAS) to determine the nature and extent of the contamination and evaluate cleanup options. NJDEP expects to complete the RI/RAS and issue a Decision Document specifying the final remedial actions for the site in 2000.

PROJECT NAME

R/RAS

DESIGN

CONSTR

O&M

Sitewide

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Planned



Underway



Completed



Not Required

Metaltec Aerosystems

Wildcat Road

Franklin Borough

Sussex County

BLOCK: 64 **LOT:** 13

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Metal Products Manufacturing
OPERATION STATUS: Inactive

PROPERTY SIZE: 16 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Volatile Organic Compounds
Metals

Delineated

Potable Water

Volatile Organic Compounds
Metals

Alternate Water Supply
Provided

Soil

Volatile Organic Compounds
Metals

Removed

FUNDING SOURCES

AMOUNT AUTHORIZED

Superfund

\$17,390,000

1981 Bond Fund

\$1,000,000

General State Fund

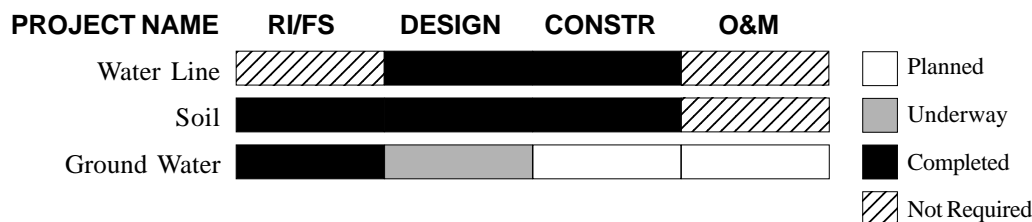
\$426,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Metaltec Aerosystems manufactured pen and lipstick casings at this site between 1965 and 1980. Operations at the site caused the on-site soil and ground water to become contaminated with volatile organic compounds and metals. The contaminated ground water migrated off-site, which resulted in the closure of three residential drinking water wells and the Borough's backup water supply well in 1980. USEPA added Metaltec Aerosystems to the National Priorities List of Superfund sites in 1983.

In 1984, USEPA initiated a Remedial Investigation and Feasibility Study (RI/FS) to determine the nature and extent of the contamination at the site and identify cleanup alternatives. The RI/FS revealed that four parcels of soil and both the shallow and bedrock aquifers were contaminated. USEPA signed the first Record of Decision (ROD) for the site with NJDEP concurrence in 1986. The ROD required excavation, treatment and off-site disposal of the contaminated soil, implementation of a supplemental ground water investigation, and extension of a public water line to the nearby residences with contaminated private potable wells. By 1988, USEPA had removed approximately 4,900 cubic yards of soil from three of four contaminated parcels at the site. Construction of the public water line was completed in 1990.

In 1990, after completing a study of the ground water at the site, USEPA signed a second ROD with NJDEP concurrence that required installation of a remediation system to extract and treat the contaminated ground water. Additional investigative work is being performed as part of the Remedial Design for the ground water remediation system. USEPA completed remediation of the fourth parcel of contaminated soil in 1995. Approximately 10,500 cubic yards of contaminated soil have been removed from the site since remedial activities began.



North Shore Water Associates

1 Hitoga Trail

Byram Township

Sussex County

BLOCK: 154 **LOT:** 235

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Treating

FUNDING SOURCES









Spill Fund

AMOUNT AUTHORIZED

\$17,500

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site consists of one potable well that serves 15 residences. This well was discovered to be contaminated during routine testing by North Shore Water Associates in 1989. North Shore Water Associates installed a ground water treatment system on the well in 1990 using Spill Fund monies provided by NJDEP. NJDEP will be conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control					 Planned
					 Underway
					 Completed
					 Not Required

Route 206 Andover

Route 206 North (Main Street)

Andover Borough

Sussex County

BLOCK: 24 **LOT:** 25

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Vacant Lot
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 3.2 Acres

SURROUNDING LAND USE: Commercial/Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Lead

Delineating

Soil

Polycyclic Aromatic Hydrocarbons (PAHs)
Polychlorinated Biphenyls (PCBs)
Metals

Delineated

Sediments

Polycyclic Aromatic Hydrocarbons (PAHs)

Delineating

FUNDING SOURCES

1986 Bond Fund







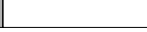
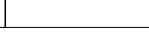
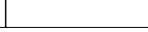



AMOUNT AUTHORIZED

\$1,433,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site is a vacant lot located directly adjacent to Route 206 in Andover Borough. A small unnamed stream borders the site. Contaminated fill derived from operations at the nearby GESG Reclamation Materials, Inc. was deposited at the property in 1992. Preliminary sampling conducted by NJDEP in 1995 confirmed that soil at the site was contaminated with metals, PCBs and PAHs. In 1997, NJDEP began a Remedial Investigation and Remedial Action Selection (RI/RAS) to determine the extent of the contamination in the soil, ground water and stream sediments and evaluate cleanup alternatives. The RI revealed that several thousand cubic yards of contaminated soil were present at the site. The RI also indicated that the ground water was contaminated with lead and the stream sediments contained low levels of PAHs.

In late 1999, NJDEP began excavating the contaminated soil and disposing of it at an off-site location. Approximately 5,800 tons of contaminated soil will be removed when the remedial action is completed in early 2000. After the contaminated soil is removed the excavated areas will be backfilled with clean soil. NJDEP is continuing to evaluate the stream sediments and plans to install additional monitor wells at the site to delineate the extent of the ground water contamination.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Soil Removal					 Planned
Ground Water Investigation					 Underway
					 Completed
					 Not Required

Route 521

West Shore Drive and Mount Benevolence Road
Stillwater Township

Sussex County

BLOCK: 1703 **LOT:** 6.02

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Private Residence
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 0.2 Acre

SURROUNDING LAND USE: Residential/Rural

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Petroleum Hydrocarbons

STATUS

Levels Not of Concern

Soil

Petroleum Hydrocarbons

Levels Not of Concern

FUNDING SOURCES









1986 Bond Fund

AMOUNT AUTHORIZED

\$8,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

A 250-gallon above ground heating oil tank at this residence leaked its contents onto the ground. Test pits excavated shortly after the spill occurred confirmed that there was oil in the ground water. No further measures were taken at that time and the case was referred to NJDEP for remedial action. The location of the spill is several hundred feet away from three residences with potable wells and just beyond these homes is a stream that flows into Swartswood Lake. NJDEP conducted sampling of the ground water, soil and stream in 1998. No significant contamination was detected and no further actions are planned for this site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Sitewide					 Planned
					 Underway
					 Completed
					 Not Required